

Claims

1. A connector device for an enteral administration set and a laminated paper packaging system comprising:
  - 5 means adapted to fit to the enteral administration set,
  - means adapted to fit to the laminated paper packaging system,
  - a passageway adapted to allow the flow of a composition contained in the laminated paper packaging system from the laminated paper packaging system to the enteral administration set through the connector device.
- 10 2. A connector device according to claim 1, wherein the means adapted to fit to the enteral administration set comprise a rigid tube part for attachment of the feeding line of the enteral administration set, the tube part containing a part of the passageway for the composition to be administered, and wherein the means adapted to fit to the laminated paper packaging system comprise an internally threaded portion adapted to be screwed onto a corresponding outwardly threaded portion of a frame-like member of the laminated paper packaging system, and wherein the connector device further comprises means for opening of the laminated paper packaging system upon screwing the connector device onto the frame-like member of the laminated paper packaging system.
- 15 3. A connector device according to claim 2, wherein the means for opening of the laminated paper packaging system comprise a cutting member protruding from the connector device in a direction towards the laminated paper packaging system for cutting the laminated paper packaging system upon screwing the connector onto the frame-like member of the laminated paper packaging system.
- 20 4. A connector device according to claim 2, wherein the means for opening of the laminated paper packaging system comprise a triggering member for acting upon a leverage system being provided in the frame-like member of the laminated paper packaging system, the leverage system breaking the laminated paper packaging system when being acted upon by the triggering member.
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5. A connector device according to claim 4, wherein the triggering member is protruding from the connector device in a direction towards the laminated paper packaging system
6. A connector device according to claim 1, wherein the means adapted to fit to the enteral administration set comprises a rigid tube part for attachment of the feeding line of the enteral administration set, the tube part containing a part of the passageway for the composition to be administered, and wherein the means adapted to fit to the laminated paper packaging system comprises a spike for penetrating into the interior of the laminated paper packaging system as well as an attachment means for fixedly attaching the connector device to the laminated paper packaging system, the spike comprising a continuation of that part of the passageway, which is contained in the tube part, into the interior of the laminated paper packaging system.
7. A connector device according to claim 6, wherein the attachment means for fixedly attaching the connector device to the laminated paper packaging system comprises a rim having an upper surface facing towards the laminated paper packaging system, an adhesive layer being provided on the upper surface for attaching the connector device to the laminated paper packaging system upon penetration of the spike and pressing of the upper surface of the rim with the adhesive layer against the laminated paper packaging system.
8. A connector device according to claim 6, wherein the attachment means for fixedly attaching the connector device to the laminated paper packaging system comprises two rims extending in parallel around the spike axially spaced from each other at a predetermined distance, that rim located nearer to the point of the spike being made from a flexible material while that rim located farther from the point of the spike being made from a rigid material.
9. A connector device according to claim 6 or claim 8 , wherein the spike is slotted along a part of its length.
10. A connector device according to any one of claims 1 to 9, further comprising a venting means.

11. A connector device according to claim 10, wherein the venting means comprises a valve means allowing air to enter through the valve means while preventing the composition to be administered to exit.
- 5      12. A connector device according to claim 10, further comprising a visualization tube, one end of the visualization tube being connected to the passageway for the composition to be administered and the other end of the visualization tube being connected to a venting means, the venting means comprising an air inlet as well as a spike that is arranged to penetrate into the interior of the laminated paper packaging system at a 10 predetermined level.
13. A prefabricated enteral administration system comprising an enteral administration set and a connector device non-releasably connected to the enteral administration set, wherein the connector device is a connector device as claimed in any one of the 15 preceding claims.
14. A prefabricated enteral administration system according to claim 13, further comprising a pump unit arranged in the feeding line of the enteral administration set.
- 20      15. A prefabricated enteral administration set according to claim 13, further comprising a transparent intermediate bag for accommodating the volume of composition contained in the laminated paper packaging system.
16. A prefabricated enteral administration system according to any one of claims 13 to 15, 25 further comprising a dosing means for controlling the speed of administration of composition to the patient.
- 30      17. An enteral administration kit comprising an enteral administration set, a connector device according to any one of claims 1 to 12, and a laminated paper packaging system containing a composition to be enterally administered to a patient.
18. An enteral administration kit comprising a prefabricated enteral administration system according to any one of claims 13 to 16, and a laminated paper packaging system containing a composition to be enterally administered to a patient.